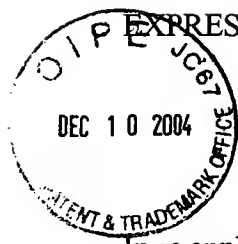


TRW 2681/\$
CC



~~EXPRESS MAIL NO. EV 485810152 US~~

PATENT APPLICATION

Docket No: 15689.72

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Motohiro Tanno et al.

Serial No.: 09/880,453

Art Unit
2681

Filed: June 13, 2001

For: SYNCHRONIZATION ESTABLISHING
METHOD OF MOBILE STATION IN MOBILE
COMMUNICATION SYSTEM

Customer No: 022913

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

((Promptness Certification or Submission Fee)
Under 37 C.F.R. § 1.97(c))

In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card Form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

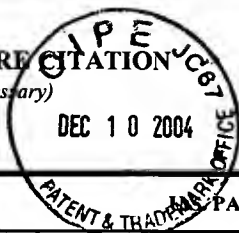
DATED December 9, 2004.

Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



Docket Number (Optional)

15689.72

Application Number

09/880,453

Applicant(s)

Motohiro Tanno et al.

Filing Date

June 13, 2001

Group Art Unit

2681

PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,818,869	10/6/1998	Miya et al.	375	206	May 15, 1997

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	2	WO 99/43102	8/26/1999	WIPO	H04B7	04	✓	
	3	WO 00/11876	3/2/2000	WIPO	H04Q	A2	✓	
	4	EP 0 963 060 A2	12/8/1999	Europe	H04B7	06	✓	
	5	EP 1 109 325 A2	6/20/2001	Europe	H04B1	707	✓	
	1	EP 1 130 793 A1	9/5/2001	Europe	H04B 1	707	✓	

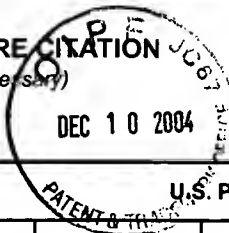
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)



ATTY DOCKET NO.

15689.72

APPLICATION NO.

09/880,453

APPLICANT(S)

Motohiro Tanno, et al.

FILING DATE

June 13, 2001

GROUP ART UNIT

2681

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
7		EP 0 996 237 A1	4/26/2000	Europe	H04B7	005	✓	
8		WO 99/12295	3/11/1999	WIPO	H04J13	00	✓	
9		WO 99/20023	4/22/1999	WIPO	H04L27	233	✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Motohiro Tanno et al.

Docket No.

15689.72

Application No.

09/880,453

Filing Date

June 13, 2001

Examiner

Dac V. Ha

Customer No.

022913

Group Art Unit

2681

Invention: SYNCHRONIZATION ESTABLISHING METHOD OF MOBILE STATION IN MOBILE
COMMUNICATION SYSTEM

DEC 10 2004

PATENT & TRADEMARK OFFICE

I hereby certify that the following correspondence:

(see below)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

December 10th, 2004

(Date)

Adrian J. Lee

(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 485810152 US

("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

Transmittal for Information Disclosure Statement (2 page; duplicate);
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
Form PTO-1449 Listing of References (2 pages);
PTO 2038 Credit Card form for \$180.00
Legible Copy of References; (9 references)
Certificate of Express Mail (EV485810152US);
Acknowledgment Postcard

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.

15689.72

In Re Application Of: **Motohiro Tanno et al.**

DEC 10 2004

Patent & Trademark Office
Examiner

Application No.

Filing Date

Examiner

Customer No.

Group Art Unit

Confirmation No.

09/880,453

June 13, 2001

Not Yet Assigned

022913

2681

Unknown

**Title: SYNCHRONIZATION ESTABLISHING METHOD OF MOBILE STATION IN MOBILE
COMMUNICATION SYSTEM**

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☒ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.72

In Re Application: Motohiro Tanno et al.

DEC 10 2004

Application No. 09/880,453	Filing Date June 13, 2001	Examiner Not Yet Assigned	Customer No. 022913	Group Art Unit 2681	Confirmation No. Unknown
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Title: SYNCHRONIZATION ESTABLISHING METHOD OF MOBILE STATION IN MOBILE
COMMUNICATION SYSTEM

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☒ Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____)

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Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

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(Date)

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.



Signature

Dated: December 10th, 2004

Adrian J. Lee
Attorney for Applicant
Reg. No.: 42,785

CC: